



# भारत का राजपत्र

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No. 46]

NEW DELHI, SATURDAY, NOVEMBER 17, 1973 (KARTIKA 26, 1895)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 17th November 1973

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

27th October 1973

2380/Cal/73. Diamond Shamrock Corporation. Fluid bed chlorination of phthalonitriles.

2381/Cal/73. Lone Star Steel Company. Process for the removal of particulate matter and acidic gases from carrier gases.

2382/Cal/73. American Flange & Manufacturing Co., Inc. Closure combination and method.

2383/Cal/73. American Flange & Manufacturing Co., Inc. Container closure construction. [Divisional date 4th October 1971].

29th October 1973

2384/Cal/73. Orissa Cement Limited. Silica refractory bricks.

2385/Cal/73. B. Barthakur, K. Barthakur, S. Barthakur, S. Barthakur and S. Barthakur. Grain sheller with variable speed rollers of abrasive and elastomer materials.

327GI/73

2386/Cal/73. Rohm and Haas Company. Refining of sugar juices by ion exchange.

2387/Cal/73. Werkzeugmaschinenfabrik Oerlikon-Bührle AG. A wheel slide controller for braked four-axle vehicles, particularly rail-bound vehicles.

2388/Cal/73. Thermo King Corporation. Heat exchanger defrost apparatus.

2389/Cal/73. Crinosipal S. p. A. Microcontrol device for fluid flow through flexible tubes.

30th October 1973

2390/Cal/73. Krishna Prasad Saxena and Sunand Mitra. Improvements in or relating to constructional bricks, prefabricated blocks or the like.

2391/Cal/73. Pfizer Inc. Preparation of aminoarylpyrimidines. [Divisional date 4th October 1971].

2392/Cal/73. Pfizer Inc. Preparation of hydroxy arylpyrimidines. [Divisional date 4th October 1971].

2393/Cal/73. Pfizer Inc. Preparation of hydroxy arylpyrimidines. [Divisional date 4th October 1971].

2394/Cal/73. Benoy Kumar Sen. Gas oven.

2395/Cal/73. Dr. Shyam Sunder Ghose. Improvement in or modification of silica brick. [Addition to No. 121666].

2396/Cal/73. M. K. F. Singh. Heating appliance.

2397/Cal/73. Pilkington Brothers Limited. Improvements in or relating to the manufacture of flat glass. (31st October 1972).

2398/Cal/73. Lucas Furnace Developments Limited. Improvements relating to furnaces. (30 October 1972).

2399/Cal/73. Priyadarson Sur. Improvements in or relating to centrifugal pumps.

31st October 1973

2400/Cal/73. Bayer Aktiengesellschaft. Recrystallisation-resistant copper phthalocyanine pigments.

2401/Cal/73. Uss Engineers and Consultants, Inc. Sliding gate closure mechanism for flow control of molten metal.

2402/Cal/73. F. C. B. M. Oliver. A process for the manufacture of a resinated cellulosic-fibre-containing warp yarn.

2403/Cal/73. Uss Engineers and Consultants, Inc. Controlled flux addition for minimizing surface defects on continuously cast steel.

2404/Cal/73. Nestle's Products Limited. Food product and process.

2405/Cal/73. Canon Kabushiki Kaisha. Electrophotographic copying machine. [Divisional date 18th May 1972].

2406/Cal/73. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Process for the preparation of benzodiazepine pine derivative. [24th November 1971].

2407/Cal/73. N. V. Philips Gloeilampenfabrieken. Semiconductor device.

1st November 1973

2408/Cal/73. The Fertilizer Corporation. An apparatus for thermogravimetric analysis in dynamic gas flow environment.

2409/Cal/73. Bayer Aktiengesellschaft. Process for the production of unsymmetrical 1, 4-dihydropyridine esters. [Divisional date 14th March 1972].

2410/Cal/73. Bayer Aktiengesellschaft. Process for the production of unsymmetrical 1, 4-dihydropyridine esters. [Divisional date 14th March 1972].

2411/Cal/73. I. J. McCullough. Method and apparatus for simultaneously drilling and logging.

2412/Cal/73. Dasi Industries, Inc., Milk sterilizing apparatus.

2413/Cal/73. P. Zimmer. Improvements in or relating to a screen holder for rotary screens. (15th December 1972).

2414/Cal/73. P. Zimmer. Improvements in or relating to a screen holder for rotary screens. (15th December 1972).

2415/Cal/73. P. Zimmer. Improvements in a screen holder for rotary screens. (15th December 1972).

2416/Cal/73. E. L. Deshayes. Solution and method for protecting buildings.

2417/Cal/73. Stahl-Industrie-Produkte Gesellschaft m.b.H. Method and apparatus for the manufacture of spoked wheels.

2418/Cal/73. Traub GmbH. Apparatus for feeding an elongate workpiece to a machine tool.

2419/Cal/73. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Mixtures of thermoplastic polyamides.

2420/Cal/73. Kombinat VEB Elektro-Apparate-Werke Berlin-Treptow. Appliance for selective protection against short-circuit with current limiting circuit breakers in series of a low-voltage distribution apparatus.

2nd November 1973

2421/Cal/73. Fisons Limited. Process. (8th November 1972).

2422/Cal/73. Tavkozles Kutato Intezet. Process for the production of monophasic polycrystalline ferrimagnetic garnet material by magnetic separation.

2423/Cal/73. The Goodyear Tire & Rubber Company. Improvements in and relating to structures of reinforced elastomeric material. (6th November 1972).

2424/Cal/73. Gruppo Lepetit S. p. A. New 3, 5-disubstituted triazole active on the C. N. S.

2425/Cal/73. Nissei Plastics Industrial Co., Ltd. Vent-Type Injection molding machine.

2426/Cal/73. Westland Aircraft Limited. Improvements in or relating to vibration absorbing systems. (6th November 1972).

2427/Cal/73. I. I. Zhuchkov, V. S. Filonov, B. I. Zaitsev, L. N. Artemiev and V. V. Rakhimov. Liquid-metal-cooled reactor.

#### APPLICATION FOR PATENTS FILED AT PATENT OFFICE (BOMBAY BRANCH)

20th October 1973

342/Bom/73. The Bombay Textile Research Association. Btra yarn count balance for the direct estimation of the linear density of spun yarns, filaments or process intermediates.

343/Bom/73. C. I. Veers. Dr. J. V. Desai's retractor.

22nd October 1973

344/Bom/73. The Sarangpur Cotton Manufacturing Company Limited. Improvements in or relating to the printing of textile or other sheet materials.

345/Bom/73. Naval Kishore Shankarlali. Gas indicator for domestic cylinders.

346/Bom/73. T. Margittai and S. C. Yuter. Sequential drying system with isolated closed drying paths. (26 October 1972).

24th October 1973

347/Bom/73. R. C. Mehta. Keyless lock.

#### APPLICATION FOR PATENTS FILED AT PATENT OFFICE (MADRAS BRANCH)

24th October 1973

152/Mas/73. Vilero Tools (Pvt.) Ltd. Electronic no coal flow indicator.

153/Mas/73. P. J. Paleja. Double coloured washing soap & multi-coloured washing soap.

26th October 1973

154/Mas/73. M. Goyal. Electric door-opener—by remote control by a novel process.

30th October 1973

155/Mas/73. Ganapathy Engineering Manufacture Private Limited. Switches as fuse switches, distribution fuse boards and change over switches (lobular type).

156/Mas/73. CH. S. R. Prabhu. Multi graph.

#### ALTERATION OF DATE

135493 (1801/Cal/73). Ante-dated to 20th October 1971.

135495 (312/Cal/73). Ante-dated to 1st October 1971.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

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course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F.b.

83779

#### A PROCESS FOR THE PREPARATION OF NOVEL HETEROCYCLIC AMIDES

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, OLD MILL ROAD, NEW DELHI-1, INDIA.

Application No. 83779 filed August 20, 1962.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 4 Claims.

A process for the preparation of novel heterocyclic amides, with or without substituents in the aromatic ring thereof, represented by the formula shown in figure 1 of the drawings wherein  $R_1$  is H, an alkyl alkoxy or hydroxy group, Y stands for a straight or branched aliphatic hydrocarbon radical and  $R_2$  is an alkylamino group or a heterocyclic base such as for example diethylamino, morpholino or piperidino group, the said process being carried out by heating the appropriate N-haloacyl-1, 2, 3, 4-tetrahydroquinoline represented by the formula shown in figure 2 of the drawings where  $R_1$  and Y have the same meaning as stated above and X stands for a halogen particularly chlorine, with the desired alkylamine or heterocyclic base such as for example diethylamino morpholino or piperidino groups.

CLASS 32F<sub>1</sub>, F<sub>2a</sub>, F<sub>2b</sub>, 32C, 55E<sub>2</sub> and E<sub>4</sub>.

87356

#### PROCESS OF PRODUCING CHEMICALS BY THE METHOD OF SUBMERGED, AERATED FERMENTATION OF A MICROORGANISM.

BRISTOL-MYERS COMPANY, AT THOMPSON ROAD, EAST SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Application No. 87356 filed April 9, 1963.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 7 Claims—No drawings.

The process of producing chemicals by the method of submerged, aerated fermentation of a microorganism characterized by the step of abating and reducing foam in the fermentation medium without simultaneously decreasing significantly the amount of dissolved oxygen in the fermentation broth, by the addition thereto as defoaming agent a water-soluble condensation product, having a total molecular weight in the range of about 1600 to about 2800, of ethylene oxide with a water-insoluble, hydrophobic polyoxypropylene chain formed by condensing propylene oxide with propylene glycol, said hydrophobic chain having a molecular weight in the range of about 1500 to about 2500 and constituting about ninety per cent by weight of said water soluble condensation product.

CLASS 32F<sub>1</sub> and 32F<sub>2b</sub>.

99586

#### THE PREPARATION OF 5-NITROFURFURALDEHYDE

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 99586 filed May 19, 1965.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 4 Claims—No drawings.

A process for the preparation of 5-nitrofurfural from furfural by preparation of its oxime followed by nitration to 5-nitrofurfuraldoxime and subsequent hydrolysis wherein the oxime is obtained by reacting furfural with hydroxylamine hydrochloride or its salts in presence of ammonia.

CLASS 32F<sub>2c</sub>.

111973

#### A PROCESS OF PRODUCING 6-EPI-6-DEOXY-5-OXYTETRACYCLINE

CHAS. PFIZER & CO., INC., AT 235 EAST 42ND STREET, NEW YORK CITY, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 111973 filed August 16, 1967.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 2 Claims.

The process of producing 6-epi-6-deoxy-5-oxytetracycline which comprises the step of contacting a 13-substituted-6-deoxytetracycline in a reaction-inert solvent with at least an equal weight of Raney nickel at a temperature of from 20 to 130°C., said substituted tetracycline being selected from the group consisting of 6-deoxy-13-mercapto-5-oxytetracycline, and tetracyclines of the formula (I) shown in the accompanying drawings, wherein A is hydroxy and R is selected from the group consisting of Primary and secondary alkyl of from one to twelve carbon atoms; R "CO where R" is alkyl of from one to three carbon atoms; phenyl; mono- and disubstituted phenyl; benzoyl; trifluoromethyl and R'CH<sub>2</sub>—where R' is selected from the group consisting of mono- and disubstituted lower alkyl, carboxy, lower carbalkoxy halo, phenyl, mono- and disubstituted phenyl and furyl, each substituent of said mono- and disubstituted lower alkyl being selected from the group consisting of hydroxy, lower alkoxy, carboxy, lower carbalkoxy, halo and amino, provided that where two of said substituents are joined to the same carbon atom at least one is selected from the group consisting of carboxy and lower carbalkoxy, and each substituent of said mono- and disubstituted phenyl being selected from the group consisting of lower alkyl, hydroxy, lower alkoxy, carboxy, lower carbalkoxy, nitro and amino, and the corresponding sulfoxides thereof.

CLASS 32F<sub>2b</sub>.

113555

#### A PROCESS FOR PREPARING 2-AZETIDINETHIONE

LEPETTI S. P. A.—GRUPPO PER LA RICERCA SCIENTIFICA E LA PRODUZIONE CHIMICA FARMACEUTICAL OF 8, VIA ROBERTO LEPETI, MILAN, ITALY.

Application No. 113555 filed December 12, 1967.

Convention date December 12, 1966 (55540/66) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 2 Claims.

A process for preparing a 2-azetidinethione having the generic formula shown in Fig. 1 of the accompanying drawings, wherein R, R' and R'' are members of the class consisting of hydrogen, lower alkyl, cycloalkyl and aryl radicals, consisting in reacting a 2-azetidinone of the general formula shown in Fig. 2 of the drawings, wherein R, R' and R'' have the above significance, with a reagent consisting of phosphorus pentasulfide, aluminium sulfide and anhydrous sodium sulfate in an anhydrous organic solvent.

CLASS 32F<sub>1</sub> and 32F<sub>2b</sub>.

119492

#### PROCESS FOR PREPARATION OF BENZOXAZINE COMPOUNDS

GRUPPO LEPETI S. P. A. OF 8, VIA ROBERTO LEPETI, MILAN, ITALY.

Application No. 119492 filed January 21, 1969.

Convention date February 2, 1968 (5502/68) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 1 Claim.

A process for preparing a compound of the formula I shown in the accompanying drawings, wherein R is a member of the class consisting of hydrogen, lower alkyl, dialkylaminoalkyl, aralkyl, carbamoyloxyalkyl, alkyl substituted with a hetero-

cyclic ring, hydroxyalkyl, acyl, amidino, carbamyl, arylcarbamyl and nitroso groups,  $R_1$  is linked to the benzene ring in position 6 or 7 and is selected from halogen, nitro and amino groups, which comprises treating a compound of the formula II shown in the drawings, wherein  $R_2$  is linked to the benzene ring in position 6 or 7 and represents halogen or nitro, with an agent capable of introducing the above radical R in position 3, and when  $R_2$  represents a nitro group, optionally converting the 6- or 7- nitrobenzoxazine into the corresponding amino derivative by catalytic hydrogenation in the presence of a metal, such as nickel, palladium and platinum as the catalyst.

CLASS 32F.

128727

#### PROCESS FOR PREPARING NEW PHENOXYACETIC ACID DERIVATIVES.

C.E.R.P.I.A. (CENTRE EUROPEAN DE RECHERCHE PHARMACOLOGIQUES) FRENCH BODY CORPORATE OF 71, AVENUE LAPLACE, ARCUEIL, VAL DE MARNE, FRANCE.

Application No. 128727 filed October 7, 1970.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 1 Claim.

A process for the production of a compound which is a phenoxyacetic acid of the general formula I of the accompanying drawings, wherein R signifies 2-furyl-keto, 2-thienyl-keto, or 2-(5-methylthienyl)-keto, an alkali metal salt of a said acid, or an addition salt of a said acid with a pharmaceutically acceptable base, which comprises acylating 2, 3-dichloro-anisole in the presence of aluminium chloride by means of an acid chloride of formula  $R-COCl$  where R has the meaning given above to obtain a keto-phenol ether of the general formula II treating this ether hot with aluminium chloride to demethylate it and obtain the corresponding keto-phenol, condensing the keto-phenol with a haloacetic acid ester in the presence of a hydrohalic acid acceptor saponifying the compound obtained and freeing the phenoxyacetic acid from its salt by reaction with a strong acid and, if desired, the phenoxyacetic acid is reacted with an alkaline base or a pharmaceutically acceptable base, in ethanol at the reflux temperature or condensing the sodium or potassium salt of this keto-phenol with sodium or potassium monochloroacetate.

CLASS 32C and G.

131197

#### A PROCESS FOR THE EXTRACTION OF QUERCETIN AND CATECHINS FROM COMMERCIAL BLACK CUTCH

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 131197 filed May 1, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 5 Claims—No drawings.

A process for the extraction of quercetin and catechins from commercial black cutch, a by-product of the "kuttha" industry, wherein black cutch powder, with common salt added, is soaked in dilute hydrochloric acid and then refluxed with solvent ether (diethyl ether) thrice, the total ether extract being warmed to distill off the solvent and the residue in the flask is warmed with acid-water, cooled, seeded and kept to crystallize in a refrigerator, the crystals being filtered out, dried and reextracted with solvent ether.

CLASS 145C and 207.

131409

#### INDUSTRIAL UTILISATION OF THE SHEATHS OF FALLEN ARECANUT PALM LEAVES OBTAINED AS AN AGRICULTURAL WASTE.

SREECANDATH RAMAN PUTTY MENON, M. K. A., OF "NEELAKANTHA BHAVAN", PARUR (VIA ALWAYE), KERALA STATE, INDIA.

Application No. 131409 filed May 18, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras branch.

#### 2 Claims—No drawings.

A process of making out of the sheath of fallen arecanut palm leaves, ply-boards, laminated boards, or moulded or embossed vendible products, through the following operations effected in the following sequence:—(i) trimming the cleaned or chemically-treated, and dried sheaths to specified sizes by familiar machines such as the book binder's shearing machine, and making them flat sheets or boards through suitable pressure treatment; (ii) making the outer waxy surface as well as the inner glassy surface of the sheath receptive to familiar bonding agents by bruising those surfaces with mechanical contrivances such as the rotating emery wheel or the joiner's sanding machine; (iii) making veneers of uniform thickness out of the above sheaths by using a splitting machine such as used in leather technology; (iv) enlarging the size or area of such veneers by splicing them through the splicing machine used in plywood technology; (v) making use of such spliced veneers to produce plyboards or laminated boards in the usual way by the use of familiar bonding agents and the heated platen hydraulic press, during which operation the ply-board or laminated board may also be subjected to moulding or embossing effects by the use of suitable moulds or stencils introduced between the heated platens.

CLASS 34D.

131528

#### AN IMPROVED METHOD FOR PREPARING CELLULOSE ACETATE BY GAS OR VAPOUR PHASE ACETYLATION OF CELLULOSIC MATERIALS.

BIRLA RESEARCH INSTITUTE FOR APPLIED SCIENCES, OF BIRLAGRAM, NAGDA, (M.P.) INDIA.

Application No. 131528 filed May 28, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 10 Claims—No drawings.

A process for acetylation of cellulosic materials like fibers, yarns, fabric or dresses made therefrom to provide improved acetylated product which comprises impregnating a batch of cellulosic fibers with conventional acetylating catalyst or a mixture of conventional acetylating catalysts and polyhydric alcohols or their acetic acid esters, blending the catalyst impregnated fibers with nonimpregnated fibers selected from cellulosic or synthetic fibers, followed by, if desired, spinning the blend into yarn, which is then woven or knitted into a fabric, which in turn is made into dresses as the case may be, whereafter the blended fibers or yarn, fabric or dresses made out of blended fibers as the case may be, is acetylated by exposing to vapors of acetic anhydride or contacted with liquid acetic anhydride or an inert solvent prior to exposure to vapours of acetic anhydride.

CLASS 34A.

132143

#### METHOD OF PREPARING SHAPED OR HOLLOW ACRYLIC FIBERS AND FIBERS SO PREPARED.

DOW BADISCHE COMPANY, AT WILLIAMSBURG, VIRGINIA, UNITED STATES OF AMERICA.

Application No. 132143 filed July 16, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 28 Claims

A method of preparing synthetic polymeric fibers from acrylonitrile polymers containing at least 80% by weight of polyacrylonitrile comprising (a) spinning a solution of said synthetic polymer in an organic solvent and/or aqueous inorganic salt solution through an orifice, into a first bath maintained at a temperature of from  $-20^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$  comprising a coagulant and a solvent, and/or a salt, the coagulant being present in an amount of from 35 to 95% by weight, for an average residence time of 1-40 seconds to superficially coagulate the fiber; (b) passing the partially coagulated fiber into a second bath maintained at a temperature of from  $30^{\circ}\text{C}$  to  $120^{\circ}\text{C}$  comprising a coagulant and optionally a solvent, and/or a salt, the coagulant being present in an amount of more than 65% by weight, for an average residence time of 1-75 seconds, wherein the first and second baths contain the same solvent and/or salt as was used in the spinning solution if the said first and/or second baths contain and solvent and/or salt; (c) washing the fibers; (d) stretching the fibers; and (e) drying the fibers, the last two steps being interchangeable.

CLASS 58C and D.

132438

A CARRIER MEMBER ADAPTED TO BE USED FOR CARRYING A SLAT OR BLIND ALONG A VERTICAL PLANE.

SHAM SUNDRA, OF B-96, GREATER KAILASH, NEW DELHI-48, INDIA.

Application No. 132438 filed August 9, 1971.

Post date January 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 11 Claims.

A carrier member adapted to be used for carrying a slat or blind in a vertical plane comprising a spindle, carrying means provided with said spindle for receiving a chord or chain, receptive means provided on said spindle and below said carrying means for receiving a slat such that said slat can be detached therefrom and support means provided at the opposite end of said spindle for supporting said member from a channel structure, said spindle being capable of being angularly deflected.

CLASS 58C and D.

132439

#### A LOUVRE ASSEMBLY.

SHAM SUNDRA, OF B-96, GREATER KAILASH, NEW DELHI-48, INDIA.

Application No. 132439 filed August 9, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 7 Claims.

A louvre assembly comprising a channel structure adapted to be fastened to a frame or a surface, a plurality of carrier members supported by said channel structure, said carrier members being capable of sliding along the flanges of said channel structure, a slat adapted to be held by each of the carrier members such that said slats are held along vertical planes.

CLASS 84B and 107G

132549

#### MOTOR FUEL COMPOSITION

TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42nd STREET, NEW YORK, NEW YORK 10017, U.S.A.

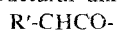
Application No. 132549 filed August 17, 1971.

Convention date October 16, 1970 (49209/70) U.K.

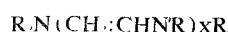
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 11 Claims—No drawings.

A motor fuel composition comprising (A) a hydrocarbon base fuel consisting of a mixture of hydrocarbons in the gasoline boiling range, (B) from 0.0004 to 0.1 weight percent based on said composition of an N-polyamine-substituted succinimide prepared by reacting an alkenyl succinic acid or anhydride having the structural unit,



in which R' is a hydrocarbon radical having a molecular weight from about 400 to 3000 with from one-half to two equivalent amounts of a polyamine having the formula;



in which x is an integer from 1 to 6 and R is hydrogen or a low molecular weight alkyl radical, and (c) from 0.003 to 0.20 volume percent of (1) a polymer of a  $C_2$  to  $C_6$  unsaturated hydrocarbon, (2) a copolymer of a  $C_2$  to  $C_6$  unsaturated hydrocarbon or (3) the corresponding hydrogenated polymer or copolymer, said polymer, copolymer or hydrogenated derivative having a molecular weight in the range from about 500 to 3500.

CLASS 24D., E, F and 1271.

132573

#### LOAD TRANSMITTING STRUTS

GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND

Application No. 132573 filed August 19, 1971.

Convention date August 21, 1970 (40422/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 27 Claims.

A load transmitting strut, comprising a variable volume chamber having two end walls constituting load bearing faces and formed respectively on two separate load transmitting members which are movable towards and away from each other, a mass of fluent granular material filling the chamber, a third member movable relative to the end walls to vary the configuration of the chamber and means for urging the third member so to move, the arrangement being such that the application of a thrust force to one load transmitting member and a corresponding reactive force to the other, causes the granular mass to compact and to bear frictionally against the third member so that the three members are locked against relative movement, and that upon relieving the first member of the thrust force, movement of the third member causes the spacing of the load bearing faces to be varied.

CLASS 32F.a and 32F.b.

132752.

#### PROCESS FOR THE MANUFACTURE OF LEUCAURAMINE COMPOUNDS

IMPERIAL CHEMICAL INDUSTRIES LIMITED OF IMPERIAL CHEMICAL HOUSE, MILBANK, LONDON, S. W. 1., ENGLAND.

Application No. 132752 filed September 2, 1971.

Convention date September 4, 1970 (42533/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 8 Claims.

A process for the manufacture of a leucauramine compound of the general formula I of the accompanying drawings wherein A and B each independently represents an optionally substituted 1, 4-arylene residue; R represents hydrogen, hydroxyl, alkoxy or an optionally substituted amino, alkyl, aralkyl or cycloalkyl radical; X represents hydrogen or an optionally substituted hydrocarbon radical which may contain one or more hetero atoms, or R and X together with the attached nitrogen atom form an optionally substituted heterocyclic ring; each of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  independently represents hydrogen or an optionally substituted alkyl, aralkyl, cycloalkyl or aryl radical or forms part of a divalent organic chain the attached nitrogen atom constitutes a n has a value of 1, 2 or 3 provided that and each of the groups of the formulae VI and VII is 4-dimethylaminophenyl, X is not 2- or 4-carboxyphenyl, which comprises reacting a compound having the general formula II with an amine of the formula III the compound and the amine together containing in carboxyl groups wherein A, B,  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ , X, R and n have the meanings stated above, Z represents oxygen or sulphur and W represents hydrogen or alkyl, provided that when each of the groups of the formula VI and VII is 4-dimethylaminophenyl, the amine is not anthranilic acid or p-aminobenzoic acid.

CLASS 32F.

132753

#### PROCESS FOR THE MANUFACTURE OF LEUCAURAMINE DERIVATIVES

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILBANK, LONDON,

S.W. 1., ENGLAND.

Application No. 132753 filed September 2, 1971.

Convention date July 26, 1971 (34956/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 5 Claim

A process for the manufacture of a Group IIA metal, optionally substituted ammonium, optionally substituted hydrazine, optionally substituted hydroxylamine, optionally substituted guanidine or heterocyclic base salt of N-(2-carboxyphenyl) leucauramine or N-(4-carboxyphenyl) leucauramine which comprises reacting a compound of the formula of the accompanying drawings, wherein Z represents oxygen or sulphur and W represents hydrogen or alkyl, directly with a Group IIA metal, optionally substituted ammonium, optionally substituted hydrazine, optionally substituted hydroxylamine, optionally substituted guanidine or heterocyclic base of anthranilic or p-aminobenzoic acid or with anthranilic or p-aminobenzoic acid and then reacting the derived N-(2-carboxyphenyl) leucauramine or N-(4-carboxyphenyl) leucauramine with a Group IIA metal hydroxide, alkoxide, carbonate or bicarbonate or an appropriate nitrogenous base.

CLASS 32F, and 32F<sub>3a</sub>.

132803

PROCESS FOR THE PRODUCTION OF NEW TRIODOPHENYL ALKYL ETHERS.

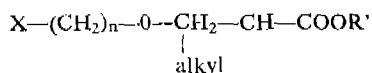
BRACCÒ INDUSTRIA CHIMICA, SOCIETÀ PER AZIONI, OF 50, VIA E. FOLLI, MAILAND, ITALY.

Application No. 132803 filed September 6, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 3 Claims.

Process for the production of the new 3-[(3-acylamino-2, 4, 6-triiodo-phenoxy)-alkoxy]-2-alkylpropionic acids which can be used as shadow-giving components in X-ray contrast agents and correspond to the general formula I shown in the accompanying drawings, in which acyl represents an acetyl or propionyl group; *n* means an integer 2, 3 or 4; and alkyl means a methyl or ethyl radical, as well as of their physiologic well compatible metal and amine salts, characterised in that a 3-acylamino-2, 4, 6-triiodo-phenol is etherified by the reaction with a reactive 3-alkoxy-2-alkyl-propionic acid derivative of the general formula



in which X means the reactive radical of a strong acid, i.e. a halogen radical, chlorine, bromine or iodine, or a sulphate or sulphonate radical, *n* means an integer 2, 3 or 4; alkyl means a methyl or ethyl group; and -COOR' means a carboxylic acid ester or carboxylate group, and the corresponding 3-[(3-acylamino-2, 4, 6-triiodo-phenoxy)-alkoxy]-2-alkylpropionic acid is subsequently isolated in known manner and, if desired, converted into its metal and amine salts in known manner.

CLASS 107H.

133070

FUEL INJECTION SYSTEMS.

ASSOCIATED ENGINEERING LIMITED, OF 60, KILN-WORTH ROAD, LEAMINGTON SPA, WARWICKSHIRE, ENGLAND.

Application No. 133070 filed October 1, 1971.

Convention date September 30, 1970 (46594/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 3 Claims.

A fuel injection system, for injecting prescribed fuel into an inlet duct or manifold of an engine, including a fuel-flow metering orifice to be fed with the pressurised fuel and to be exposed on its downstream side to the pressure obtaining in the inlet duct, and including a fuel pressure regulator arranged to regulate the fuel to a pressure which exceeds the inlet duct pressure by an amount which increases with increasing inlet duct absolute pressure.

CLASS 127C and 1.

133215

PULLEY

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 133215 filed October 12, 1971.

Convention date October 22, 1970 (50154/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 4 Claims.

A pulley having a peripheral groove and a hub portion which is offset axially from the plane of said groove, whereby the pulley can be mounted in two alternative orientations with the plane of the peripheral groove in different positions relative to the member on which the pulley is mounted said pulley formed from a pair of dished pressings each having a central flange and a frusto-conical portion integral with and extending from said flange, the central flanges of the pressings being interconnected and one of the pressings being less deeply dished than the other.

CLASS 67C, 91 and 190C.

133236

PROPORTIONAL-PLUS-INTEGRAL ELEMENT OF AN ELECTROHYDRAULIC SPEED CONTROLLER FOR A HYDROGENERATOR

LENINGRADSKY METALLICHESKY ZAVOD IMENI XXII SIEZDA KPSS, SVERDLOVSKAYA NABEREZH-NAYA 18, LENINGRAD, USSR.

Application No. 133236 filed October 14, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 3 Claims

A proportional-plus-integral element of electrohydraulic frequency and power controllers for hydrogenerators, characterizing a four terminal network with one of its poles connected through a series RG network to one of its output poles, the remaining input and output poles being interconnected directly, with the said four-terminal network having a normally open and non-conducting switching element located between the section connecting the capacitor and the resistor and the section directly connecting the poles of the four terminal network, which is actuated with the application of the remote-control signal to the motor of the said electrohydraulic frequency and power controllers.

CLASS 136C.

133253

METHOD AND APPARATUS FOR EXTRUDING WIDE PROFILES OF THERMOPLASTIC MATERIAL

APPARECCHIATURE E MACCHINE UTENSIL S. A. S. DI MILANI GIUSEPPE &amp; C., OF STRADA DEL SEMPIONE MARANO TICINO (NOVARA), ITALY.

Application No. 133253 filed October 16, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 18 Claims.

Method for the extrusion of profiles of thermoplastic material having width for greater than the height, characterized in that the inner passage of an extrusion head is fed with thermoplastic material at the extrusion temperature in a plurality of feeding points which are aligned parallelly to the extrusion orifice, the distance between immediately adjacent feeding points of the plasticised material being such as to prevent the peripheral fluid threads of the molten thermoplastic material from being deviated, as to the flow direction, of an angle greater than 45° from the inlet to the outlet of the said inner passage of the extrusion head, said feeding points communicating with the outlets of a corresponding number of extrusion screws for plasticizing and conveying the thermoplastic material.

CLASS 64B, and B<sub>3</sub>.

133275

CABLE JUNCTION BOX

BUNKER RAMO CORPORATION, OF OAKBROOK NORTH, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Application No. 133275 filed October 19, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 9 Claims.

A housing for mounting both high and low profile mated connectors including; a base member in which connector halves may be fixedly mounted; a cover for said base member, adapted with said base member to enclose the mated connectors; spacer members of appropriate size to bear against said low profile mated connectors; and mounting means in said cover whereby said spacer members may be selectively mounted in opposition to said low profile connectors.

CLASS 67A and 206E.

133282

## LAMP FAILURE WARNING SYSTEMS

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 133282 filed October 20, 1971.

Convention date October 24, 1970 (50634/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 8 Claims.

A lamp failure warning system for a road vehicle, comprising in combination a monitoring unit having a first input terminal connected through a load to the live terminal of a vehicle battery having its other terminal earthed, and a second input terminal connected to earth through a lamp to be monitored, the unit containing a resistor inter-connecting the input terminals, and an amplifier connected electrically between the first input terminal and an earthed terminal on the unit, the amplifier receiving its input from across the resistor and providing an output to a warning device which indicates when the lamp fails.

CLASS 69N and O.

133350

## AN ELECTRICAL SWITCH

SEIMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, GERMANY (WEST).

Application No. 133350 filed October 25, 1971.

Convention date May 28, 1971 (18189/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 13 Claims.

An electrical switch comprising relatively movable contacts, an arc quenching chamber comprising conductors between and along which an arc developed between said contacts can be moved onto a plurality of arc quenching plates, the chamber having a form transversely to the direction between the conductors which provides a compressive portion followed by an expansive portion for accelerating the movement of the arc onto said plates.

CLASS 24D, B.

133380

## DISC BRAKES

ABEX CORPORATION, OF 530 FIFTH AVENUE, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Application No. 133380 filed October 27, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 3 Claims.

A disc brake comprising brake lining material supported on a metal back, which is forced against a wheel supported disc by a piston in a cylinder containing fluid under pressure in between one face of the piston and the cylinder, the said cylinder being disposed opposite the metal back, characterised by the piston body being composed of principally of thermosetting resin containing asbestos fibers.

CLASS 32E.

133683

## IMPROVEMENTS IN OR RELATING TO PROCESS FOR, THE MANUFACTURE OF POLYMERS CONTAINING HYDANTOIN GROUPS

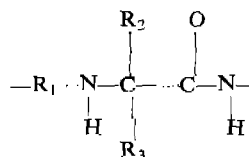
DR. BECK & CO., AG., OF EISELENSWEG, 2 HAMBURG 28, FEDERAL REPUBLIC OF GERMANY.

Application No. 133683 filed November 19, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 3 Claims—No drawings.

A method of manufacturing a polymer containing hydantoin groups comprising reacting a polymeric material containing recurring units of the general formula



where  $\text{R}_1$  is an aliphatic, cycloaliphatic, aromatic or araliphatic divalent radical, and  $\text{R}_2$ ,  $\text{R}_3$  and  $\text{R}_4$  are hydrogen or an alkyl radical with 1 to 4 carbon atoms and may be the same or different in the form of a solution of not more than 30% by weight in a solvent, with a diaryl carbonate, at temperatures between 100 and 250°C.

CLASS 201C.

133711

## METHOD OF FLOCCULATING SOLIDS SUSPENDED IN AN AQUEOUS MEDIUM

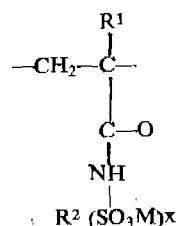
THE LUBRIZOL CORPORATION, CLEVELAND, OHIO 44117, U.S.A.

Application No. 133711 filed November 23, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 10 Claims.

A method of flocculating solids suspended in an aqueous medium which comprises adding to said medium an effective amount e.g. from about 0.01 to 10 PPM and preferably 0.5 to 1.00 PPM of a water soluble polymer containing units of the formula



wherein  $\text{R}^1$  is hydrogen or a lower alkyl or substituted lower alkyl radical as herein before defined  $\text{R}^2$  is a divalent or trivalent hydro-carbon or substituted hydrocarbon radical as herein before defined  $\text{M}$  is hydrogen or one equivalent of a cation as herein described and  $\text{X}$  is 1 or 2.

CLASS 32A<sub>1</sub>.

133819

## PROCESS FOR MANUFACTURING WATER-SOLUBLE METAL COMPLEX MONOAZO DYE STUFFS

FARBWERKE HOECHST AKTIENGESellschaft VORMALS MEISTER LUCIUS & BRUNING, OF 45 BRUNINGSTRASSE, FRANKFURT/MAIN FEDERAL REPUBLIC OF GERMANY.

Application No. 133819 filed December 1, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 8 Claims.

A process for manufacturing metal complex monoazo dyestuffs of the formula (1) wherein A represents the radical of a coupling component of the naphthalene or pyrazolone series, R represents an alkyl or alkoxy group having from 1 to 4 carbon atoms, M represents a copper, nickel, cobalt or chromium atom, X stands for the group of the formula  $\text{CH}=\text{CH}_2$  or  $-\text{CH}_2-\text{CH}_2-$  wherein Y represents the hydroxyl group or an organic or inorganic radical which is capable of being split off by an alkaline agent, and n stands for the number 1 or 2, which process comprises reacting monoazo dyestuffs of the formula (2) capable of forming metal complexes wherein A, R and X have the meanings given above and R' is a hydrogen atom, a hydroxyl group, a chlorine atom or a low-molecular-weight alkoxy group, with a compound of formula M-B where M is as defined before and B is a radical of an organic or inorganic acid capable of being split off in the formation of the said metal complex.

CLASS 205B and G.

133845

#### RADIAL CORD CARCASS TYRE BEADS

INDUSTRIE PIRELLI SOCIETA PER AZIONI, OF CENTRO PIRELLI, 20100 MILAN, ITALY.

Application No. 133845 filed December 4, 1971.

Convention date October 11, 1971 (47152/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 9 Claims.

A pneumatic tyre for vehicle wheels comprising one or more carcass plies extending from one bead region to the other, the cords of said plies lying in substantially radial planes and said carcass plies being turned up about the bead cores from the axially inner side of the cores towards the outside, each bead region comprising at least a rubber filling disposed radially outwardly with respect to each bead core, at least a strip of metal cord fabric extending from the zone of the bead core to a point which is radially outwardly of the point which is in alignment (axially of the tyre) with the radially outermost part of the flange of the rim of the wheel on which the tyre is intended to be fitted, and at least a sheet of a hard rubber compound arranged in the axially outermost portion of the bead region, the arrangement being such that:—(a) the rubber filling comprises two structural components each of which has an elongated form radially of the tyre, said structural components being adjacent to each other and extending as far as a zone which is radially outwardly of the radially outermost portion of the strip of metal cord fabric; (b) the first of said two structural components is constituted by a low hardness rubber compound, and the second of said two structural components is constituted by a hard rubber compound; (c) the first of said two structural components is located axially inwardly of the second structural component; (d) the radially outer portion of the strip of metal cord fabric is disposed between said second of said two structural components and said sheet of hard rubber compound; and (e) said sheet of hard rubber compound extends from the base of the bead region to a zone which is radially outwardly of said radially outermost portion of said strip of metal cord fabric.

CLASS 89.

133860

#### AN APPARATUS FOR TESTING ARTICLES, SUCH AS, POLES.

DEVELOPMENT CONSULTANTS PRIVATE LIMITED, OF 24B PARK STREET, P.O. PARK STREET, CALCUTTA-16, STATE OF WEST BENGAL, INDIA.

Application No. 133860 filed December 6, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 17 Claims.

An apparatus for testing a pole (as herein defined), characterised in that the said apparatus has, in combination, the following essential parts—(i) a framework comprising at least three arms, namely, a longer arm, a shorter arm, and a vertical arm respectively, the longer arm and the shorter arm remaining in the horizontal plane and the said shorter arm and the said vertical arm being at right angles and are oriented in the vertical plane; (ii) an anchoring device for clamping a pole under test, provided at one end (that is, the tail end) of the framework, the said pole being mounted alongside the longer arm of the said framework, the said anchoring device being adapted firmly to grip the said pole at the required end of the pole; and (iii) a device for applying load on the pole, provided at the other end (that is, the head end) of the framework, the said device being adapted to apply the required load at the other end (that is, the end opposite to the firmly gripped end) of the said pole.

CLASS 90I.

133975

#### IMPROVEMENTS IN OR RELATING TO PROCESS FOR PREPARING BONDED GLASS FIBERS.

FIBREGLASS LIMITED, OF 201-211 MARTINS BUILDING, WATER STREET, LIVERPOOL L2 3SR, LANCASHIRE, ENGLAND.

Application No. 133975 filed December 16, 1971.

Convention date July 13, 1971 (32877/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 10 Claims—No drawings.

A method of preparing bonded glass fibers which comprises treating or coating the glass fibers with a binder composition followed by curing the so coated glass fibers or the products produced therefrom wherein the binder composition comprises a phenolformaldehyde polymer, co-polymer or ter-polymer as resin in the binder, as a binder setting modifying additive, urea and sodium lignosulphonate as an additional binder setting modifying additive, the relative proportions of urea and sodium lignosulphonate being so chosen that the bonding solids content ratio (as herein defined) is in the range 0.15 to 0.260.

CLASS 69G.

134216

#### ELECTRICAL SWITCHES

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM, 19, ENGLAND.

Application No. 134216 filed January 7, 1972.

Convention date January 22, 1971 (2935/71) U.K.

#### 6 Claims.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

An electrical switch including a moulded, insulating casing, a conductive base plate closing an open end of the casing, a fixed electrical contact carried by the casing, a slider mounted in the casing for sliding movement relative to the casing and the base plate, a contact member movable with said slider, said contact member being resiliently urged into engagement with said base plate and said casing and being arranged to engage said fixed contact during sliding movement of the slider, and means for mounting the base plate on a conductive support whereby, in use, when said base plate is mounted on the support and said contact member is moved by said slider into engagement with said fixed contact, an electrical circuit between said fixed contact and the support is completed by way of the contact member and said base plate.



CLASS 206E.

134370

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING A SEMICONDUCTOR CAPACITANCE DIODE AND DEVICE MANUFACTURED BY USING THE METHOD.

N. V. PHILIPS GLOEILAMPENFABRIEKEN, AT EMMA-SINGEL 29, EINDHOVEN (HOLLAND).

Application No. 134370 filed January 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 14 Claims.

A method of manufacturing a semiconductor device having a semiconductor capacitance diode in which a layer of a first conductivity type is provided on a low-ohmic substrate of the first conductivity type, which layer has a higher resistivity than the substrate, after which a doping element determining the second conductivity type is diffused in the semiconductor surface to form a *P-n* junction, characterized in that at least a first layer of the first conductivity type is provided on the substrate, which layer has a higher resistivity than the substrate, that the step-like doping profile resulting from the provided layers is rounded off by a heat treatment by thermal diffusion and that prior to providing the *p-n* junction in the last provided layer, at least one diffusion of a doping element determining the first conductivity of the layer provided last is further increased.

CLASS 32F<sub>3</sub>D and 182D.

135162

METHOD OF REFINING FRUCTOS-CONTAINING SOLUTION.

STANDARD BRANDS INCORPORATED, OF 625 MADISON AVENUE, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 135162 filed April 4, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 7 Claims—No drawings.

A method of refining an enzymatically produced fructose-containing solution containing color, color forming bodies and salts which contribute to the ash content of the syrup, which method comprises treating the solution with activated carbon thereby removing the major portion of the color and color forming bodies therefrom, maintaining the solution at an acidic pH, treating the solution with a strong acid cation exchange resin in the hydrogen form and a weak base anion exchange resin in the free base form to remove substantially all the remaining color, color forming bodies and the major portion of the metallic constituents of the salts which contribute to the ash content of the solution, said treatments being carried out to provide a fructose-containing solution which is substantially colorless and the little tendency to form color on storage.

CLASS 27I.

135256

IMPROVEMENTS IN OR RELATING TO AN X-RAY MACHINE.

INTERNATIONAL GENERAL ELECTRIC CO. (INDIA) PRIVATE LIMITED, "NIRMAL", NARIMAN POINT, P.O. BOX 992, BOMBAY 4, MAHARASHTRA STATE, INDIA.

Application No. 135256 filed April 12, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 5 Claims.

An X-ray machine including a telescope column comprising at least one fixed unit and two telescoping units, means for causing the movement of the two telescopic units comprising a pair of rope drums, one end of the rope on one rope drum being fastened to one said telescoping unit, one end of the rope on the second drum being fastened to the said second telescoping unit, the two rope drums being mounted on a shaft driven through a reduction gear from an electric motor and a clutch mechanism for the motor to drive the drums, the motor, the two drums and the reduction gear being all mounted in a housing block.

327 GI/73

CLASS 50E, and F.

135336

AN ABSORPTION REFRIGERATING INSTALLATION

DONETSKY FILIAL "VNIPICHERMETENERGOO-CHISTKA" OF DONETSK, BULVAR SHEVCHENKO, 19A, USSR.

Application No. 135336 filed April 19, 1972.

Appropriate office for opposition proceedings. (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 7 Claims.

An absorption refrigerating installation comprising a main evaporator of coolant supplied from the consumer of cold a main absorber of the steam of the coolant by a liquid absorbent coupled with the main evaporator into a single unit; a secondary evaporator of the coolant cooling the main absorber; a secondary absorber of the steam of the coolant delivered from the secondary evaporator, coupled with the latter into a single unit, a regenerator of the liquid absorbent; each said evaporator absorber unit being essentially a group of vertical passages having outlet disposed at the upper level thereof and used for directing the liquid along the outer walls of the passages; said secondary evaporator being united in a group of the passages with the main absorber so that the absorbent flowing down the outlets is essentially the absorbent of the main absorber and, consequently, the outer surface of the walls of the passages is the surface of the main absorber, whereas the coolant flows down along the inner surface of the passages that are essentially the secondary evaporator.

CLASS 14A<sub>1</sub>.

135488

PLATES FOR RECHARGEABLE BATTERIES

KISHOR CHANDRA KOTHARI OF P. KISHOR & CO., OF 96A, CHITTARANJAN AVENUE, CALCUTTA-12, WEST BENGAL, INDIA.

Application No. 1130/1972 filed August 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 7 Claims.

Method of manufacturing plates for storage cells or batteries of the rechargeable type which consists in taking a sheet of lead, punching the plate therefrom such that it comprises a network of spaced ribs or members connected to each other by connecting links, the spaces between the various spaced ribs or members being filled with lead oxide, each plate being cut at two corners, the cut corners of one set of plates being opposite to the cut corners of the opposite set of plates so that one cut corner of one set of plates allows the connector of the other set of plates to pass freely, the other cut corners of same set of plates also allowing the support rod of the said other set of plates to pass freely.

CLASS 67A and 206E.

135493

LAMP FAILURE WARNING SYSTEMS.

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 1801/1973 filed August 4, 1973.

Convention date October 24, 1970 (50634/70) U.K.

Division of application No. 133282 filed 20th October 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 1 Claim.

A lamp failure warning system for a road vehicle, comprising in combination a monitoring unit for detecting failure of the lamp, a switching device coupled to the monitoring unit so as to be turned on when the lamp fails, a pair of warning lamps connected in parallel circuits and coupled to the switching device so that both warning lamps are illuminated when the switching device is on, and means for detecting failure of either warning lamp and for holding said switching device on, if either warning lamp fails, independently of the output from the monitoring unit.

CLASS 49E and 197.

135494

**A CONVEYOR-TYPE, AUTOMATIC DISH WASHER UNIT.**

NAT STEEL EQUIPMENT (PVT.) LTD., OPP. POLICE TRAINING SCHOOL, G. D. AMBEDKER MARG, (NAIGAUM ROAD), DADAR, BOMBAY-14, MAHARASHTRA

Application No. 975/1972 filed July 26, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay, Branch.

**12 Claims.**

A conveyor-type, automatic dish washer unit wherein provided in a housing are an endless conveyor drive for carrying dishes from a loading end to an unloading end the of successively through a pre-washing chamber, a detergent wash chamber, a rinsing chamber and a sterilizing chamber, each of which chambers is provided with sprayer means, a water tank and a feed pump, power switches and buttons or a power console being provided without said housing for electrically operating the conveyor drive and the pumps.

CLASS 107H.

135495

**FUEL PRESSURE REGULATOR.**

ASSOCIATED ENGINEERING LIMITED, OF 60, KENILWORTH ROAD, LEAMINGTON SPA, WARWICKSHIRE, ENGLAND.

Application No. 312/Cal/73 filed February 13, 1973.

Convention date September 30, 1970 (46594/70) U.K.

Division of application No. 133070 filed October 1, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

**6 Claims.**

A fuel pressure regulator, for use in a fuel injection system of the type arranged to inject pressurised fuel into an inlet duct or manifold of an engine, including a member having an area subject to the pressure of fuel to be regulated, the fuel pressure generating a force on the member tending to move it to open an aperture so as to reduce fuel pressure, and another area in the regulator exposed to the pressure in the inlet duct, the said other area being connected to the member in a manner which would generate a greater force on the member than the opposing force generated on the member by the first-mentioned area if both areas were subject to the same pressure.

CLASS 206D.

135498

**A CIRCUIT ARRANGEMENT FOR GENERATING TWO AMPLITUDE STABILISED SINUSOIDAL SIGNAL WHICH ARE 90° OUT OF PHASE RELATIVE TO ONE ANOTHER.**

SIEMENS AKTIENGESellschaft, A COMPANY OF BERLIN AND MUNICH, GERMANY (WEST).

Application No. 1369/1972 filed September 8, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

**9 Claims.**

A circuit arrangement for generating two amplitude-stabilised sinusoidal signals which are 90° out of phase relative to one another comprising means for generating first and second signals which are 90° out of phase relative to one another, and a vector analyser, said vector analyser comprising first and second quotient formers connected for receiving respective ones of said first and second signals, means for squaring an output signal from each of said quotient formers, means for producing a comparison signal which represents a comparison between the sum of the squared output signals and a reference signal, and means for operating on said comparison signal by a process including integration, the output of said operating means being connected with the divisor inputs of said quotient formers, the arrangement being such that the output signals from said quotient formers comprise sinusoidal signals which are 90° out of phase relative to one another and are stabilised as to their amplitude.

CLASS 40H and 88F.

135499

**EXHAUST GAS CLEANER.**

YAT CHUEN YUEN, AND KIN SUN YUEN BOTH OF (17th FLOOR, FLAT L), PHOENIX APARTMENT, LEE GARDEN ROAD, HONG KONG.

Application No. 1106/1972 filed August 8, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

**12 Claims.**

Apparatus for contacting a gas with a liquid which comprises a first, open-topped, chamber contiguous with a second, open-bottomed chamber, said second chamber being situated above said first chamber when the apparatus is in use and being separated therefrom by a perforated screen, an inlet pipe for introducing gas into the first chamber; an outlet pipe for removing gas from the second chamber, means for introducing a liquid into the apparatus, and an inverted trough having closed ends mounted in the second chamber above the end of the inlet pipe, the mouth of the trough being in contact with and extending over a part of the screen.

**OPPOSITION PROCEEDINGS**

An opposition has been entered by The Tata Iron and Steel Company Limited to the grant of a patent on application No. 132832 made by USS Engineers and Consultants, Inc.

**PATENTS SEALED**

125666 126430 127590 127792 128064 128096 128178 128663  
128699 130064 130284 130365 130447 130565 130609 130632  
130820 130901 130942 131092 131093 131102 131157 131172  
131242 131390 131582 131682 132230 132290 132691 132709

**Amendment Proceedings under Section 57****(1)**

The amendments proposed by British Steel Corporation in respect of Patent Application No. 128231 as advertised in Part III, Section 2 of the Gazette of India dated the 21st July 1973 have been allowed.

**(2)**

The amendments proposed by Imperial Chemical Industries Limited in respect of Patent application No. 126019 as advertised in Part III, Section 2 of the Gazette of India dated the 21st July 1973 have been allowed.

**REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS).**

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

113711—ICI America Inc.

**PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

**No., Title of the invention**

114303 (31-1-68) Process for the preparation of water-insoluble azo-dyestuffs having particularly good qualities for printing.

114304 (31-1-68) A method of removing in a continuous process gaseous and solid constituents from liquid suspensions.

114308 (31-1-68) Process for the polymerization of butadiene or mixtures thereof and catalyst composition for use in such process.

- 114311 (31-1-68) Process for preparing catalysts suitable for use in the preparation of olefin oxides.
- 114322 (1-2-68) A water-insoluble, water-dispersible cellulose powder and a method of producing the same.
- 114324 (2-2-68) A process for the preparation of 1, 2, 3-triphenylpropenes of biological interest.
- 114350 (15-2-67) Method of mixing liquids.
- 114351 (5-2-68) Microbiocidal compositions containing nitro alkyl sulphate.
- 114373 (6-2-68) The preparation of lactams.
- 114374 (6-2-68) The preparation of lactams from cycloalkanes.
- 114378 (6-2-68) Improvements in or relating to the clarification of aqueous suspensions.
- 114406 (7-2-68) Process of preparing polymers of olefinically unsaturated compounds.
- 114426 (10-2-67) Process for treating lateritic and garnieritic ores to reduce nickel and cobalt oxides therein to metallic form.
- 114427 (15-2-67) Method for recovering substantially pure nickel from ammoniacal nickel ammonium carbonate leach solutions.
- 114434 (8-2-68) Process for production of granular compound fertilizer.
- 114441 (8-12-67) Process for the refining or treatment of a ferrous charge.
- 114458 (21-2-67) Pesticidal compositions containing substituted benzodioxide.
- 114461 (9-5-67) Processes for the preparation of aliphatic acid esters, and nitropentane-nitriles and process for their preparation.
- 114471 (12-2-68) Process for exothermic solid addition reactions for preparation of acetoacetylarnide continuously.
- 114475 (12-2-68) Chemical compounds, particularly ammonia, and process for synthesizing the same from gaseous reactants.
- 114485 (12-2-68) New organic phosphonothiolates and process for the production thereof.
- 114499 (13-2-68) Production of refined pyrethrum extract of aerosol grade.
- 114500 (13-2-68) Improvements in or relating to welding flux compositions for submerged arc welding and methods of making the same.
- 114512 (13-2-68) Method of manufacturing lubricating oil.
- 114529 (14-2-68)  $\beta$ -glycolides method for their preparation and polymers obtained from same.
- 114535 (2-3-67) Steam reforming hydrocarbons.
- 114546 (15-2-68) Process for the production of chloramino-S-triazines.
- 114554 (15-2-68) Method of preparing 3-hydroxy-isothiazole derivatives.
- 114555 (15-2-68) Method of preparing 3-hydroxy-isothiazole derivatives.
- 114557 (15-2-68) Process for separating vinyl acetate from hot reaction gases containing acetic acid.
- 114558 (16-2-68) Method for the preparation of an impregnating emulsion for improving the tightness and fullness of leathers and upgrading them.
- 114564 (16-2-68) Method for producing and recovering a solution of cyanuric chloride from gaseous cyanuric chloride.
- 114565 (24-2-67) A process for preparing herbicidal complexes of bipyridylum salts and compositions containing the same.
- 114566 (11-5-67) Process for the preparation of fertilizer pills and fertilizer pills so produced.
- 114570 (14-11-66) Process for preparing  $\beta$ -stereoisomers of oxime carbamates and biocidal compositions containing said oxime carbamates.
- 114575 (24-11-67) Process for the production of a linear polyurethane.
- 114576 (8-12-67) Process for purifying trithiane.
- 114577 (16-2-68) New anthraquinone vat dyestuffs, process for their manufacture and organic material pigmented therewith.
- 114601 (19-2-68) Improved process for the continuous attack on bauxite with a solution of caustic soda and sodium aluminate.
- 114613 (20-2-68) Novel imino 1, 3-dihietanes and dithiocarbamate esters, methods for their preparation and insecticidal composition containing the same.
- 114614 (31-7-67) Dealkylated aromatic hydrocarbons and method of preparing the same.
- 114615 (20-2-68) Process for bleaching pulp.
- 114625 (20-2-68) Preparation of thiolhydroxamate esters.
- 114626 (20-2-68) Process for the prevention of agglomeration or reagglomeration of ultrafine powder of substances.
- 114642 (20-2-68) Ethylene oxide and process for preparing the same.
- 114643 (22-2-67) Steam reforming process.
- 114645 (20-2-68) Improvements in and relating to the refining of metals.
- 114650 (20-2-68) Stable carbamate insecticide granules.
- 114661 (21-2-68) New crystalline aluminosilicates and their method of manufacture.
- 114670 (22-2-67) Improvements in or relating to the production of (A) micro-organisms and (B) a hydrocarbon product having a reduced straight chain hydrocarbon content.

## RENEWAL FEES PAID

65486	65567	65722	65858	65873	65931	65932	69353	69431
69453	69598	69709	69866	69885	69914	70146	70564	73442
73734	73745	73746	73878	73945	73949	73950	73991	74044
74045	74055	74119	74137	74146	74156	74210	74226	74641
74720	79083	79084	79105	79134	79157	79219	79260	79333
79371	79375	79459	79645	80719	84921	85018	85033	85034
85058	85061	85141	85169	85222	85268	85314	85323	85351
85467	85524	85651	85810	86646	88416	90532	90547	90614
90637	90642	90684	90694	90717	90744	90750	90791	90818
90844	90901	90929	91000	91051	91104	91188	91330	91381
91462	91516	96327	96346	96347	96357	96376	96392	96469
96474	96487	96490	96515	96579	96613	96638	96707	96723
96791	96811	96823	96840	97028	97203	97387	97522	99650
102041	102324	102332	102353	102361	102386	102407	102421	
102425	102448	102453	102454	102463	102470	102471	102572	
102611	102669	102738	102754	102761	102767	102882	102898	
102899	102933	102936	103043	103132	103362	103428	104560	
105619	106454	106902	107709	107729	107765	107774	107886	
107887	107907	107918	107943	107960	107972	108035	108048	
108105	108112	108113	108122	108123	108124	108125	108218	
108222	108253	108319	108424	108453	108524	108537	108538	
108651	111835	112193	112194	112961	113008	113012	113028	
113048	113050	113067	113101	113104	113130	113141	113197	
113202	113219	113246	113256	113258	113302	113328	113513	
113543	113553	113556	113573	113652	113739	113766	113767	
113768	113795	113818	113835	114233	114441	114482	114570	
115326	115689	115690	116330	116942	117468	118238	118239	
118325	118355	118365	118377	118378	118380	118404	118408	
118421	118436	118454	118458	118461	118484	118510	118513	
118522	118533	118543	118545	118572	11578	118581	118593	
118610	118628	118636	118686	118703	118715	118718	118719	
118741	118750	118779	118811	118830	118864	119174	119891	
123229	123776	123778	123796	123811	123859	123873	123880	
123884	123888	123892	123907	123939	123940	123941	123942	

123943 12973 123990 123991 123992 124057 124085 124095  
 124112 124114 124120 124135 124140 124141 124160 124189  
 224190 124219 124357 124443 124502 124524 124545 124583  
 124607 124629 124630 125242 125523 125576 126548 126549  
 127053 127082 127182 127193 127197 127229 127450 127491  
 127593 127653 127666 127667 127760 128738 129018 129026  
 129842 129843 130781 130815 130920 130985 131064 131201  
 132170 132324 132691.

#### CESSATION OF PATENTS

111393 111394 124364 124394 124402 124433 124471 124481  
 124482 124529 124532 124541 124542 124664 124728 124774  
 124786 124787 124789 124794 124895 124902 124912 124955  
 125050 125097 125143 125156 125157 125189 125310 125324  
 125345 125413 125536 125543 125613 125756 125845 125846  
 125847 126001 126049 126194 126198 126274 126291 126292  
 126317 126378 126379 126526 126634 126676 126906 126944  
 126956 127195 127506 127551 127571 127625 127741 130084.

#### RESTORATION PROCEEDINGS

##### (1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 92723 granted to Andrew Szegvari for an invention relating to "agitator and process of producing ground and dispensed materials using the same." The patent ceased on the 11th March, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 15th September, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 17th January, 1974 under Rule 60 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 93749 granted to Management Studies, Inc. for an invention relating to "a graphical chart and system for display of and use in the planning scheduling and management of work and production programmes." The patent ceased on the 13th May, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th October, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 17th January, 1974 under Rule 60 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 99306 granted to Andrew Szegvari for an invention relating to "apparatus for dispersing materials in liquids and its operation." The patent ceased on the 19th March, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th October, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 17th January, 1974 under Rule 60 of the Patents Rules, 1972. A written statement, in triplicate, setting out the

nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 118352 granted to Lt. Col. Arthur Ronald Gardner for an invention relating to "improvement in or relating to cookers." The patent ceased on the 30th October, 1972 due to non-payment of renewal fees within the prescribed and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 1st September, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 17th January, 1974 under Rule 60 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (5)

Notice is hereby given that an application for restoration of Patent No. 74435 dated the 24th December, 1959 made by Mineral Deposits Pvt. Limited on the 6th July, 1973 and notified in the Gazette of India, Part III, Section 2, dated the 4th August, 1973 has been allowed and the said patent restored.

##### (6)

Notice is hereby given that an application for restoration of Patent No. 102986 dated the 26th September, 1966 made by Subramania Iyer Krishna Iyer on the 28th April, 1973 and notified in the Gazette of India, Part III, Section 2, dated the 9th June, 1973 has been allowed and the said patent restored.

##### (7)

Notice is hereby given that an application for restoration of Patent No. 107298 dated the 3rd October, 1966 made by Bhupatral Keshavlal Dosbi on the 21st April, 1973 and notified in the Gazette of India, Part III, Section 2, dated the 9th June, 1973 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design No. 135357 Class—1.

Design Nos. 133877, 134979 and 134980 Class—3.

Design No. 134383 Class—11.

#### COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 118996 Class—5.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (DESIGNS)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration.  
 113846—Shri Bansi Lal & Others.

S. VEDARAMAN  
 Controller General of Patents,  
 Designs and Trade Marks.